



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶: C08F 18/14, 118/14, 218/14, C08J 3/28, 5/00	A1	(11) International Publication Number: WO 00/34343 (43) International Publication Date: 15 June 2000 (15.06.00)
(21) International Application Number: PCT/US99/28666 (22) International Filing Date: 3 December 1999 (03.12.99) (30) Priority Data: 60/110,891 4 December 1998 (04.12.98) US (71) Applicant (for all designated States except US): MOSAIC TECHNOLOGIES, INC. [US/US]; 1106 Commonwealth Avenue, Boston, MA 02144 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): <u>ADAMS, Christopher, R.</u> [US/US]; 141 Powderhouse Boulevard, Summerville, MA 02144 (US). <u>KITTLE, Joseph, D.</u> [US/US]; 326 Bluebonnet Meadows, Houston, TX 77084 (US). (74) Agents: MANN, Jeffry, S. et al.; Townsend and Townsend and Crew LLP, 8th Floor, Two Embarcadero Center, San Francisco, CA 94111 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With international search report.
(54) Title: METHOD FOR THE IMMOBILIZATION OF OLIGONUCLEOTIDES		
(57) Abstract Novel compositions are provided for introducing into a cell, a nucleic acid molecule capable of modulating the genotype and phenotype. The gene can be introduced into a mammalian host by way of an expression vector either as naked DNA or conjugated to carriers, particularly cationic carriers. The conjugation is accomplished by means of an ethylene-containing moiety tethered to the nucleic acid molecule. The techniques and compositions find use in the palliation or treatment of any of a variety of genetic-based disorders.		